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Sheet 1 of 12

ATTY. DOCKET NO.
4-31612A/USN
APPLICATION NO.
09/964,899
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
VB	AA	5,795,963	8/18/98	Mullan	520	350	
VB	AB	5,811,633	9/22/98	Wadsworth et al.	4600	12	
VB	AC	5,840,540	11/24/98	St. George-Hyslop et al.	435	169.1	
VB	AD	5,891,991	4/6/99	Wasco et al.	530	300	
VB	AE	5,986,054	11/16/99	St. George-Hyslop et al.	520	350	
	AF						
	AG						
	AH						
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	AJ						
	AK						
	AL						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	OFFICE	CLASS	SUBCLASS	TRANSLATION YES	NO
VB	AM	WO 01/85912 A2	11/15/01	PCT			<input type="checkbox"/>	<input type="checkbox"/>
VB	AN	WO 94/00569	1/6/94	PCT			<input type="checkbox"/>	<input type="checkbox"/>
VB	AO	WO 98/54300	12/3/98	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AP						<input type="checkbox"/>	<input type="checkbox"/>
	AQ						<input type="checkbox"/>	<input type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

VB	AR	Abrams et al., "Programmed cell death during Drosophila embryogenesis," Development, Vol. 117, pp. 29-43 (1993)
VB	AS	Abstract, Finelli et al., "Alzheimer's Abeta peptide induces rough eye phenotype in Drosophila," 42nd Annual Drosophila Research Conference, March 2001
VB	AT	Abstract, Finelli et al., "Beta-Amyloid Induced Neurodegeneration in the Drosophila Eye," Neurobiology of Drosophila, CSHL October 2001

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DATE CONSIDERED

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

VB	AA	Abstract, Finelli et al., "Genetic analysis of Alzheimer's-related pathways in Drosophila," Therapeutic Opportunities in Neurodegenerative Diseases, CSHL 2000
VB	AB	Abstract, Lanoue et al., "Dominant phenotypes caused by overexpression of human amyloid precursor protein (APP) in flies," 41st Annual Drosophila Research Conference, March 2000
VB	AC	Abstract, Lanoue, et al., "Dominant phenotypes caused by overexpression of human amyloid precursor protein (APP) in flies," World Alzheimer Congress 2000
VB	AD	Anderton et al., "Does dysregulation of the Notch and wingless/Wnt pathways underlie the pathogenesis of Alzheimer's disease? Molecular Medicine Today, Vol. 6, pp. 54-59 (2000)
VB	AE	Behl et al., "Amyloid beta peptide induces necrosis rather than apoptosis," Brain Research, Vol. 645, pp. 253-264 (1994)
VB	AF	Behl, C., "Apoptosis and Alzheimer's Disease," J. Neural Transm, Vol. 107, pp. 1325-1344 (2000)
VB	AG	Benzer, S., "Behavioral Mutants of Drosophila Isolated by Countercurrent Distribution," PNAS, Vol. 58, pp. 1112-1119 (1967)
VB	AH	Bertram et al., "Evidence for Genetic Linkage of Alzheimer's Disease to Chromosome 10q," Science, Vol. 290, pp. 2302-2303 (2000)
VB	AI	Blochlinger et al., "Primary structure and expression of a product from cut, a locus involved in specifying sensory organ identity in Drosophila," Nature, Vol. 333, pp. 629-635, (1988)
	AJ	Borchelt et al., "Familial Alzheimer's Disease-Linked Presenilin 1 Variants Elevate A beta 1-42/1-40 Ratio In Vitro and In Vivo," Neuron, Vol. 17, pp. 1005-1013, (1996)
VB	AK	Boulianne et al., "Cloning and characterization of the Drosophila presenilin homologue," Molecular Neuroscience, Vol. 8, pp. 1025-1029 (1997)
VB	AL	Brand et al., "Targeted gene expression as a means of altering cell fates and generating dominant phenotypes," Development, Vol. 118, p. 401-415 (1993)
VB	AM	Brewer et al., "Age-related Toxicity to Lactate, Glutamate, and Beta-Amyloid in Cultured Adult Neurons," Neurobiology of Aging, Vol. 19(6), pp. 561-568 (1998)
VB	AN	Cagan et al., "The Emergence of Order in the Drosophila Pupal Retina," Developmental Biology, Vol. 136, pp. 346-362 (1989)

EXAMINER

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

VB	AA	Cao et al., "A Transcriptionally Active Complex of APP with Fe65 and Histone Acetyltransferase Tip60," Science, Vol. 293, pp. 115-120 (2001)
VB	AB	Cescato et al., "Increased Generation of Alternatively Cleaved Beta-Amyloid Peptides in Cells Expressing Mutants of the Amyloid Precursor Protein Defective in Endocytosis," Journal of Neurochemistry, pp. 1131-1139 (2000)
VB	AC	Chan et al., "Presenilin-1 Mutations Increase Levels of Ryanodine Receptors and Calcium Release in PC12 Cells and Cortical Neurons," Journal of Biological Chemistry, Vol. 275(24), pp. 18195-18200 (2000)
VB	AD	Chen et al., "Where do Alzheimer's Plaques and Tangles come from? Aging-induced Protein Degradation Inefficiency," Frontiers in Bioscience, Vol. 6, E1-11 (2001)
VB	AE	Citron et al., "Excessive production of amyloid beta-protein by peripheral cells of symptomatic and presymptomatic patients carrying the Swedish familial Alzheimer disease mutation," Proc. Natl. Acad. Sci., Vol. 91, pp. 11993-11997 (1994)
VB	AF	Citron et al., "Generation of Amyloid Beta Protein from Its Precursor Is Sequence Specific," Neuron, Vol. 14, pp. 661-670 (1995)
VB	AG	Citron et al., "Mutant presenilins of Alzheimer's disease increase production of 42-residue amyloid beta-protein in both transfected cells and transgenic mice," Nature Medicine, Vol. 3(1), pp. 67-72 (1997)
VB	AH	Cook et al., "Alzheimer's Abeta(1-42) is generated in the endoplasmic reticulum/intermediate compartment of NT2N cells," Nature Medicine, Vol. 3(9), pp. 1021-1023 (1997)
VB	AI	Cotman et al., "A Potential Role for Apoptosis in Neurodegeneration and Alzheimer's Disease," Molecular Neurobiology, Vol. 10, pp. 19-45 (1995)
VB	AJ	Coughlan et al., "Factors influencing the processing and function of the amyloid beta precursor protein--a potential therapeutic target in Alzheimer's disease?" Pharmacology & Therapeutics, Vol. 86, pp. 111-144 (2000)
VB	AK	Czech et al., "APP/Presenilin interaction: The amino-terminus of presenilin 2 is able to interact with Abeta42 in vitro," Society for Neuroscience, Vol. 25, 641.1999
VB	AL	Dawson, V.L., "Of Flies and Mice," Science, Vol. 288, pp. 631-632 (2000)
VB	AM	De Strooper et al., "A presenilin-1-dependent gamma-secretase-like protease mediates release of Notch intracellular domain," Nature, Vol. 398, pp. 518-522 (1999)
VB	AN	Deveraux et al., "IAP family proteins--suppressors of apoptosis," Genes. Dev., Vol. 13, pp. 239-252 (1999)

EXAMINER

DATE CONSIDERED

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

<i>B</i>	AA	Diaz-Benjumea et al., "Interaction between Dorsal and Ventral Cells in the Imaginal Disc Directs Wing Development in Drosophila," Cell, Vol. 75, pp. 741-752 (1993)
	AB	Dyrks et al., "Generation of betaA4 from the amyloid protein precursor and fragments thereof," FEBS Lett., Vol. 335(1), pp. 89-93 (1993)
	AC	Ellis et al., "Expression of Drosophila glass protein and evidence for negative regulation of its activity in non-neuronal cells by another DNA-binding protein," Development, Vol. 119, pp. 855-865 (1993)
	AD	Engelender et al., "Synphilin-1 associates with alpha-synuclein and promotes the formation of cytosolic inclusions," Nature Genetics, Vol. 22, pp. 110-114 (1999)
	AE	Engels, W.R., "A trans-Acting Product Needed for P Factor Transposition in Drosophila," Science, Vol. 226, pp. 1194-1196 (1984)
	AF	Ertekin-Taner, et al., "Linkage of Plasma ABeta42 to a Quantitative Locus on Chromosome 10 in Late-Onset Alzheimer's Disease Pedigrees," Science, Vol. 290, pp. 2303-2304 (2000)
	AG	Feany et al., "A Drosophila model of Parkinson's disease," Nature, Vol. 404, pp. 394-398 (2000)
	AH	Fernandez-Funez et al., "Identification of genes that modify ataxin-1-induced neurodegeneration," Nature, Vol. 408, pp. 101-106 (2000)
	AI	Flucher et al., "Distribution of Na ⁺ Channels and Ankyrin in Neuromuscular Junctions is Complementary to That of Acetylcholine Receptors and the 43 kd Protein," Neuron, Vol. 3, pp. 163-175 (1989)
	AJ	Fortini et al., "Modeling human neurodegenerative diseases in Drosophila on a wing and a prayer," Trends Genet., Vol. 16, pp. 161-167 (2000)
	AK	Fossgreen et al., "Transgenic Drosophila expressing human amyloid precursor protein show gamma-secretase activity and a blistered-wing phenotype," Proc. Natl. Acad. Sci. USA, Vol. 95, pp. 13703-13708 (1998)
	AL	Fraser et al., "Ionic effects of the Alzheimer's disease beta-amyloid precursor protein and its metabolic fragments," Trends Neurosci., Vol. 20(2), pp. 67-72 (1997)
	AM	Fukumoto et al., "Amyloid Beta Protein Deposition in Normal Aging Has Same Characteristics as That in Alzheimer's Disease," Am. J. Pathol., Vol. 148, pp. 259-265 (1996)
<i>B</i>	AN	Fukuta et al., "Difference in toxicity of beta-amyloid peptide with aging in relation to nerve growth factor content in rat brain," J. Neural Transm, Vol. 108, pp. 221-230 (2001)

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

VB	AA	Giovannelli et al., "Long-term Changes in the Aggregation State and Toxic Effects of Beta-Amyloid Injected into the Rat Brain," <i>Neuroscience</i> , Vol. 87(2), pp. 349-357 (1998)
	AB	Goate et al., "Segregation of a missense mutation in the amyloid precursor protein gene with familial Alzheimer's disease," <i>Nature</i> , Vol. 349, p. 704-706 (1991)
	AC	Golde et al., "Processing of the Amyloid Protein Precursor to Potentially Amyloidogenic Derivatives," <i>Science</i> , Vol. 255, pp. 728-730 (1992)
	AD	Gouras et al., "Intraneuronal ABeta42 Accumulation in Human Brain," <i>Am. J. Pathol.</i> , Vol. 156, pp. 15-20 (2000)
	AE	Greenfield et al., "Endoplasmic reticulum and trans-Golgi network generate distinct populations of Alzheimer beta-amyloid peptides," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 96, pp. 742-747 (1999)
	AF	Grether et al., "The head involution defective gene of <i>Drosophila melanogaster</i> functions in programmed cell death," <i>Genes and Development</i> , Vol. 9, pp. 1694-1708 (1995)
	AG	Guo et al., "Drosophila presenilin Is Required for Neuronal Differentiation and Affects Notch Subcellular Localization and Signaling," <i>The Journal of Neuroscience</i> , Vol. 19(19), pp. 8435-8442 (1999)
	AH	Guo et al., "Physical and genetic interaction of filamin with presenilin in Drosophila," <i>Journal of Cell Science</i> , Vol. 113, pp. 3499-3508 (2000)
	AI	Harper et al., "Observation of metastable Abeta amyloid protofibrils by atomic force microscopy," <i>Chem. Biol.</i> , Vol. 4, pp. 119-125 (1997)
	AJ	Hartley et al., "Protofibrillar Intermediates of Amyloid Beta-Protein Induce Acute Electrophysiological Changes and Progressive Neurotoxicity in Cortical Neurons," <i>The Journal of Neuroscience</i> , Vol. 19(20), p. 8876-8884 (1999)
	AK	Hartmann et al., "Distinct sites of intracellular production for Alzheimer's disease ABeta40/42 amyloid peptides," <i>Nature Medicine</i> , Vol. 3(9), pp. 1016-1020 (1997)
	AL	Hay et al., "Expression of baculovirus P35 prevents cell death in <i>Drosophila</i> ," <i>Development</i> , Vol. 120, pp. 2121-2129 (1994)
	AM	Hay et al., "P element insertion-dependent gene activation in the <i>Drosophila</i> eye," <i>Proc. Natl. Acad. Sci.</i> , Vol. 94, pp. 5195-5200 (1997)
VB	AN	Hellstroem-Lindahl et al., "Nicotinic acetylcholine receptors during prenatal development and brain pathology in human aging," <i>Behavioural Brain Research</i> , Vol. 113, pp. 159-168 (2000)

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

JB	AA	Hellstroem-Lindahl E., "Modulation of beta-amyloid precursor protein processing and tau phosphorylation by acetylcholine receptors," European Journal of Pharmacology, Vol. 393, pp. 255-263 (2000)
	AB	Hsia et al., "Plaque-independent disruption of neural circuits in Alzheimer's disease mouse models," Proc. Natl. Acad. Sci. USA., Vol. 96, pp. 3228-3233 (1999)
	AC	Hussain et al., "Identification of a Novel Aspartic Protease (ASp 2) as Beta-Secretase," Molecular and Cellular Neuroscience, Vol. 14, p. 419-427 (1999)
	AD	Hyman et al., "Role of the Low-density Lipoprotein Receptor-Related Protein in Beta-Amyloid Metabolism and Alzheimer Disease," Arch. Neurol. Vol. 57, pp. 646-650 (2000)
	AE	Iwata et al., "Metabolic Regulation of Brain ABeta by Neprilysin," Science, Vol. 292, pp. 15550-15552 (2001)
	AF	Jackson et al., "Polyglutamine-Expanded Human Huntingtin Transgenes Induce Degeneration of Drosophila Photoreceptor Neurons," Neuron, Vol. 21, pp. 633-642 (1998)
	AG	Jarrett et al., "The Carboxy Terminus of the Beta Amyloid Protein Is Critical for the Seeding of Amyloid Formation: Implications for the Pathogenesis of Alzheimer's Disease," Biochemistry, Vol. 32, pp. 4693-4697 (1993)
	AH	Jiang et al., "Telomerase expression in human somatic cells does not induce changes associated with a transformed phenotype," Nature Genetics, Vol. 21, pp. 111-114 (1999)
	AI	Karim et al., "Ectopic expression of activated Ras 1 induces hyperplastic growth and increased cell death in Drosophila imaginal tissues," Development, Vol. 125, pp. 1-9 (1998)
	AJ	Kazemi-Esfarjani et al., "Genetic Suppression of Polyglutamine Toxicity in Drosophila," Science, Vol. 287, pp. 1837-1840 (2000)
	AK	Kelliher et al., "Alterations in the Ryanodine Receptor Calcium Release Channel Correlate With Alzheimer's Disease Neurofibrillary and Beta-Amyloid Pathologies," Neuroscience, Vol. 92(2), pp. 499-513 (1999)
	AL	Kellum et al., "A Position-Effect Assay for Boundaries of Higher Order Chromosomal Domains," Cell, Vol. 64, pp. 941-950 (1991)
	AM	Konsolaki et al., "Windbeutel, a gene required for dorsoventral patterning in Drosophila, encodes a protein that has homologies to vertebrate proteins of the endoplasmic reticulum," Genes & Development, Vol. 12, pp. 120-131 (1998)
VB	AN	Kordeli et al., "An Isoform of Ankyrin is Localized at Nodes of Ranvier in Myelinated Axons of Central and Peripheral Nerves," The Journal of Cell Biology, Vol. 110, 1341-1352 (1990)

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

VB	AA	Kordeli et al., "AnkyrinG; A New Ankyrin Gene with Neural-Specific Isoforms Localized at the Axonal Initial Segment and Node of Ranvier," "The Journal of Biological Chemistry," Vol. 270(5), pp. 2352-2359 (1995)
	AB	Kordeli et al., "Distinct Ankyrin Isoforms at Neuron Cell Bodies and Nodes of Ranvier Resolved Using Erythrocyte Ankyrin-Deficient Mice," The Journal of Cell Biology, Vol. 114(6), pp. 1243-1259 (1991)
	AC	Kulic et al., "Separation of presenilin function in amyloid beta-peptide generation and endoproteolysis of Notch," Proc. Natl. Acad. Sci., Vol. 97(11), pp. 5913-5918 (2000)
	AD	LaFerla et al., "The Alzheimer's ABeta peptide induces neurodegeneration and apoptotic cell death in transgenic mice," Nature Genetics, Vol. 9, pp. 21-30 (1995)
	AE	Lambert et al., "Diffusible, nonfibrillar ligands derived from ABeta1-42 are potent central nervous system neurotoxins," Proc. Natl. Acad. Sci. USA, Vol. 95, pp. 6448-6453 (1998)
	AF	Launer et al., "Regional Differences in the Incidence of Dementia in Europe: EURODEM Collaborative Analyses," In Iqbal, K., Swaab, D.F., Winblad, B. and Wisniewski, H.M. (Eds), Alzheimer's Disease and Related Disorders, pp. 9-15 (1999)
	AG	Lavedan, C., "The Synuclein Family," Genome Research, Vol. 8, pp. 871-880 (1998)
	AH	Lorenzo et al., "Beta-Amyloid neurotoxicity requires fibril formation and is inhibited by Congo red," Proc. Natl. Acad. Sci., Vol. 91, pp. 12243-12247 (1994)
	AI	Lucassen et al., "DNA Damage Distribution in the Human Brain as Shown by In Situ End Labeling; Area-specific Differences in Aging and Alzheimer Disease in the Absence of Apoptotic Morphology," Journal of Neuropathology and Experimental Neurology, Vol. 56(
	AJ	Luedeking et al., "Genetic polymorphism in the persyn (gamma-synuclein) gene and the risk of Alzheimer's disease," Neuroscience Letters, Vol. 261, pp. 186-188 (1999)
	AK	Luo et al., "Human Amyloid Precursor Protein Ameliorates Behavioral Deficit of Flies Deleted for Appl Gene," Neuron, Vol. 9, pp. 595-605 (1992)
	AL	Luo et al., "Identification, Secretion, and Neural Expression of APPL, a Drosophila Protein Similar to Human Amyloid Protein Precursor," The Journal of Neuroscience, Vol. 10(12), p. 3849-3861 (1990)
	AM	Mattson M.P., "Cellular Actions of Beta-Amyloid Precursor Protein and Its Soluble and Fibrillogenic Derivatives," Physiological Reviews, Vol. 77(4), pp. 1081-1132 (1997)
VB	AN	McKee et al., "The neurotoxicity of amyloid beta protein in aged primates," Amyloid: Int. J. Exp. Clin. Invest. Vol. 5, pp. 1-9 (1998)

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B	AA	McLean et al., "Soluble Pool of ABeta Amyloid as a Determinant of Severity of Neurodegeneration in Alzheimer's Disease," Ann. Neurol., Vol. 46, pp. 860-866 (1999)
	AB	Mills et al., "Regulation of Amyloid Precursor Protein Cleavage," Journal of Neurchemistry, Vol. 72, pp. 443-460 (1999)
	AC	Moses et al., "Glass encodes a site-specific DNA-binding protein that is regulated in response to positional signals in the developing Drosophila eye," Genes & Development, Vol. 5, pp. 583-593 (1991)
	AD	Moses et al., "The glass gene encodes a zinc-finger protein required by Drosophila photoreceptor cells," Nature, Vol. 340, pp. 531-536 (1989)
	AE	Mucke et al., "High-Level Neuronal Expression of A Beta1-42 in Wild-Type Human Amyloid Protein Precursor Transgenic Mice: Synaptotoxicity without Plaque Formation," The Journal of Neuroscience, Vol. 20(11), pp. 4050-4058 (2000)
	AF	Mukherjee et al., "Insulysin Hydrolyzes Amyloid BetaPeptides to Products That Are Neither Neurotoxic Nor Deposit on Amyloid Plaques," J. Neurosci., Vol. 20, pp. 8745-8749 (2000)
	AG	Mullan et al., "A pathogenic mutation for probable Alzheimer's disease in the APP gene at the N-terminus of beta-amyloid," Nat. Genet., Vol. 1, pp. 345-347 (1992)
	AH	Murayama et al., "Enhancement of amyloid Beta 42 secretion by 28 different presenilin 1 mutations of familial Alzheimer's disease," Neurosci. Lett., Vol. 265, pp. 61-63 (1999)
	AI	Myers et al., "Susceptibility Locus for Alzheimer's Disease on Chromosome 10," Science, Vol. 290, pp. 2304-2305 (2000)
	AJ	Näslund et al., "Correlation Between Elevated Levels of Amyloid beta-Peptide in the Brain and Cognitive Decline," J.A.M.A., Vol. 283, pp. 1571-1577 (2000)
	AK	Ninkina et al., "Organization, expression and polymorphism of the human persyn gene," Human Molecular Genetics, Vol. 7(9), pp. 1417-1424 (1998)
	AL	Okamoto et al., "Ligand-dependent G Protein Coupling Function of Amyloid Transmembrane Precursor," The Journal of Biological Chemistry, Vol. 270(9), pp. 4205-4208 (1995)
	AM	Paganetti et al., "Amyloid Precursor Protein Truncated at any of the Gamma-Secretase Sites Is Not Cleaved to Beta-Amyloid," Journal of Neuroscience Research, Vol. 46, pp. 283-293 (1996)
B	AN	Pike et al., "Neurodegeneration Induced by beta-Amyloid Peptides in vitro: The Role of Peptide Assembly State," J. Neurosci., Vol. 13, pp. 1676-1687 (1993)

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

VB	AA	Poirier, J., "Apolipoprotein E and Alzheimer's Disease - A Role in Amyloid Catabolism," Ann. N.Y. Acad. Sci., Vol. 924, pp. 81-90 (2000)
	AB	Pradier et al., "Mapping the APP/Presenilin (PS) Binding Domains: The Hydrophilic N-Terminus of PS2 is Sufficient for Interaction with APP and Can Displace APP/PS1 Interaction," Neurobiology of Disease, Vol. 6, pp. 43-55 (1999)
	AC	Price, D., "New order from neurological disorders," Nature, Vol. 399, pp. A3-A5 (1999)
	AD	Qiu et al., "Degradation of Amyloid Beta-Protein by a Serine Protease-Alpha Macroglobulin Complex," The Journal of Biological Chemistry, Vol. 271(14), pp. 8443-8451 (1996)
	AE	Robertson et al., "A Stable Genomic Source of P Element Transposase in Drosophila melanogaster," Genetics, Vol. 118, pp. 461-470 (1988)
	AF	Rorth et al., "Systematic gain-of-function genetics in Drosophila," Development, Vol. 125(6), pp. 1049-1057 (1998)
	AG	Rösen et al., "A Drosophila gene encoding a protein resembling the human beta-amyloid protein precursor," Proc. Natl. Acad. Sci., Vol. 86, pp. 2478-2482 (1989)
	AH	Rubin et al., "Comparative Genomics of the Eukaryotes," Science, Vol. 287, pp. 2204-2215 (2000)
	AI	Rubin et al., "Genetic Transformation of Drosophila with Transposable Element Vectors," Science, Vol. 218, pp. 348-353 (1982)
	AJ	Schneider-Maunoury et al., "Disruption of Krox-20 Results in Alteration of Rhombomeres 3 and 5 in the Developing Hindbrain," Cell, Vol. 75, pp. 1199-1214 (1993)
	AK	Schultz et al., "SAM as a protein interaction domain involved in developmental regulation," Protein Science, Vol. 6, pp. 249-253 (1997)
	AL	Selkoe D. J., "Alzheimer's Disease: Genes, Proteins, and Therapy," Physiol. Rev., Vol. 81(2), pp. 741-766 (2001)
	AM	Selkoe, D. J., "Translating cell biology into therapeutic advances in Alzheimer's disease," Nature, Vol. 399, pp. A23-A31 (1999)
VB	AN	Sherrington et al., "Cloning of a gene bearing missense mutations in early-onset familial Alzheimer's disease," Nature, Vol. 375, pp. 754-760 (1995)

EXAMINER

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Sheet 10 of 12

ATTY. DOCKET NO.
4-31612A/USN
APPLICATION NO.
09/964,899
APPLICANT
COHEN ET AL.
FILING DATE
SEPTEMBER 27, 2001

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1614

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

VB	AA	Sinha et al., "Purification and cloning of amyloid precursor protein beta-secretase from human brain," Nature, Vol. 402(2), pp. 537-540 (1999)
	AB	Skovronsky et al., "Detection of a Novel Intraneuronal Pool of Insoluble Amyloid Beta Protein that accumulates with Time in Culture," J. Cell Biol., Vol. 141, pp. 1031-1039 (1998)
	AC	Smale et al., "Evidence for Apoptotic Cell Death in Alzheimer's Disease," Exp. Neurol., Vol. 133, pp. 225-230 (1995)
	AD	Spradling et al., "The Effect of Chromosomal Position on the Expression of the Drosophila Xanthine Dehydrogenase Gene," Cell, Vol. 34, pp. 47-57 (1983)
	AE	Srinivasan et al., "Ankyrin and spectrin associate with voltage-dependent sodium channels in brain," Nature, Vol. 333, pp. 177-180 (1988)
	AF	Stadelmann et al., "Alzheimer Disease: DNA Fragmentation Indicates Increased Neuronal Vulnerability, but no Apoptosis," J. Neuropathol. Exp. Neurol., Vol. 57, pp. 456-464 (1998)
	AG	Struhl et al., "Presenilin is required for activity and nuclear access of Notch in Drosophila," Nature, Vol. 398, pp. 522-525 (1999)
	AH	Su et al., "Immunohistochemical evidence for apoptosis in Alzheimer's disease," Clinical Neuroscience and Neuropathology," NeuroReport, Vol. 5, pp. 2529-2533 (1994)
	AI	Suzuki et al., "An Increased Percentage of Long Amyloid Beta Protein Secreted by Familial Amyloid Beta Protein Precursor (BetaAPP717) Mutants," Science, Vol. 264, pp. 1336-1340 (1994)
	AJ	Swiatek et al., "Perinatal lethality and defects in hindbrain development in mice homozygous for a targeted mutation of the zinc finger gene Krox20," Genes & Development, Vol. 7, pp. 2071-2084 (1993)
	AK	Tamaoka et al., "Amyloid beta protein 1-42/43 (Abeta 1-42/43) in cerebellar diffuse plaques: enzyme-linked immunosorbent assay and immunocytochemical study," Brain Res., Vol. 679, pp. 151-156 (1995)
	AL	Thanos et al., "Oligomeric Structure of the Human EphB2 Receptor SAM Domain," Science, Vol. 283, pp. 833-836 (1999)
	AM	Timmerman et al., "Novel missense mutation in the early growth response 2 gene associated with Dejerine-Sottas syndrome phenotype," Neurology, Vol. 52, pp. 1827-1832 (1999)
VB	AN	Torroja et al., "Neuronal overexpression of APPL, the Drosophila homologue of the amyloid precursor protein (APP), disrupts axonal transport," Current Biology, Vol. 9(9), pp. 489-492 (1999)

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SEPTEMBER 27, 2001Group
1614

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OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, Etc.)

VB	AA	Torroja et al., "The Drosophila beta-Amyloid Precursor Protein Homolog Promotes Synapse Differentiation at the Neuromuscular Junction," The Journal of Neuroscience, Vol. 19(18), pp. 7793-7803 (1999)
	AB	Trommsdorff et al., "Interaction of Cytosolic Adaptor Proteins with Neuronal Apolipoprotein E Receptors and the Amyloid Precursor Protein," The Journal of Biological Chemistry, Vol. 273(50), pp. 33556-33560 (1998)
	AC	Tucker et al., "The Plasmin System Is Induced by and Degrades Amyloid-Beta Aggregates," The Journal of Neuroscience, Vol. 20(11), pp. 3937-3946 (2000)
	AD	Turner et al., "Amyloids Beta40 and Beta42 are Generated Intracellularly in Cultured Human Neurons and Their Secretion Increases with Maturation," The Journal of Biological Chemistry, Vol. 271(15), pp. 8966-8970 (1996)
	AE	van Leuven, F., "Single and multiple transgenic mice as models for Alzheimer's disease," Progress in Neurobiology, Vol. 61, pp. 305-312, (2000)
	AF	Vassar et al., "Beta-Secretase Cleavage of Alzheimer's Amyloid Precursor Protein by the Transmembrane Aspartic Protease BACE," Science, Vol. 286, pp. 735-741 (1999)
	AG	Vekrellis et al., "Neurons Regulate Extracellular Levels of Amyloid Beta-Protein via Proteolysis by Insulin-Degrading Enzyme," The Journal of Neuroscience, Vol. 20(5), pp. 1657-1665 (2000)
	AH	Walsh et al., "Amyloid Beta-Protein Fibrillogenesis," The Journal of Biological Chemistry, Vol. 274(36), pp. 25945-25952 (1999)
	AI	Walsh et al., "Amyloid Beta-Protein Fibrillogenesis," The Journal of Biological Chemistry, Vol. 272(35), pp. 22364-22372 (1997)
	AJ	Warner et al., "Mutations in the early growth response 2 (EGR2) gene are associated with hereditary myelinopathies," Nature Genetics, Vol. 18, pp. 382-384 (1998)
	AK	Warrick et al., "Expanded Polyglutamine Protein Forms Nuclear Inclusions and Causes Neural Degeneration in Drosophila," Cell, Vol. 93, pp. 939-949 (1998)
	AL	Wild-Bode et al., "Intracellular Generation and Accumulation of Amyloid Beta-Peptide Terminating at Amino Acid 42*," The Journal of Biological Chemistry, Vol. 272(26), pp. 16085-16088 (1997)
	AM	Wittmann et al., "Tauopathy in Drosophila: Neurodegeneration Without Neurofibrillary Tangles," Science, Vol. 293, pp. 711-714 (2001)
VM	AN	Wyss-Coray et al., "TGF-Beta1 promotes microglial amyloid-beta clearance and reduces plaque burden in transgenic mice," Nat. Med., Vol. 7(5), 612-618 (2001)

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DATE CONSIDERED

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Group 1614

RECEIVED

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

VB	AA	Xia et al., "Interaction between amyloid precursor protein and presenilins in mammalian cells: Implications for the pathogenesis of Alzheimer disease," Proc. Natl. Acad. Sci., Vol. 94, pp. 8208-8213 (1997)
	AB	Yan et al., "Membrane-anchored aspartyl protease with Alzheimer's disease beta-secretase activity," Nature, Vol. 402, pp. 533-537 (1999)
	AC	Ye et al., "Apoptotic Activities of Wild-type and Alzheimer's Disease-related Mutant Presenilins in Drosophila melanogaster," J. Cell Biol., Vol. 146, pp. 1351-1364 (1999)
	AD	Ye et al., "Neurogenic phenotypes and altered Notch processing in Drosophila Presenilin mutants," Nature, Vol. 398, pp. 525-529 (1999)
VB	AE	Zhang et al., "Identification of a novel family of putative methyltransferases that interact with human and Drosophila presenilins," Gene, Vol. 280, pp. 135-144 (2001)
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